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PATENT COOPERATION TREATY

09/581345

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
15280-339PC	ACTION (FORM PC1/13A/2	20) as well as, where applicable, item 3 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 98/25270	25/11/1998	01/12/1997
Applicant		
THE GOVERNMENT OF THE UNI	TED STATES OF et al.	
This International Search Report has bee according to Article 18. A copy is being tra	n prepared by this International Searching Auth ansmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	report.
Basis of the report Mith regard to the language the	international search was carried out on the ba	sis of the international application in the
language in which it was filed, un	less otherwise indicated under this item.	
Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of t	
b. With regard to any nucleotide ar was carried out on the basis of th	nd/or amino acid sequence disclosed in the ir e sequence listing:	nternational application, the international search
contained in the internation	onal application in written form.	
filed together with the into	ernational application in computer readable for	m.
X furnished subsequently to	o this Authority in written form.	
T furnished subsequently to	o this Authority in computer readble form.	
international application	bsequently furnished written sequence listing o as filed has been furnished.	
the statement that the inf furnished	ormation recorded in computer readable form i	s identical to the written sequence listing has been
2. X Certain claims were for	und unsearchable (See Box I).	
3. Unity of invention is lac	cking (see Box II).	
4. With regard to the title,		
X the text is approved as s	ubmitted by the applicant.	
the text has been establi	shed by this Authority to read as follows:	
5. With regard to the abstract,		
	ubmitted by the applicant.	
the text has been establi		ity as it appears in Box III. The applicant may, port, submit comments to this Authority.
6. The figure of the drawings to be put	olished with the abstract is Figure No.	
as suggested by the app	dicant.	X None of the figures.
because the applicant fa	iled to suggest a figure.	
because this figure bette	er characterizes the invention.	

International application No. PCT/US 98/25270

INTERNATIONAL SEARCH REPORT

B x I Obs rvati ns wh re c rtain laims wer found unsear hab! (Continuation fitem 1 first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 76-87 are directed to a method of treatment of the human/animal body, and although claims 88-96 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

International Application No PCT/US 98/25270

A. CLASSIFICATION OF SUBJECT MATTER G01N33/574 G01N33/563 IPC 6 C12N15/13 C07K16/30 A61K47/48 C12N5/10 C12N15/10 G01N33/58 A61K39/395 C12N1/11 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) CO7K A61K C12N IPC 6 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category 6 1-98 BRINKMANN U ET AL: "Cloning and Χ expression of the recombinant FAb fragment of monoclonal antibody K1 that reacts with mesothelin present on mesothelioma and ovarian cancers." INTERNATIONAL JOURNAL OF CANCER, (1997 MAY 16) 71 (4) 638-44. JOURNAL CODE: GQU. ISSN: 0020-7136., XP002102002 United States see abstract; figure 1; results and discussion see abstract see "materials and methods" starting at page 638; figure 1 and discussion Patent family members are listed in annex. Х Further documents are listed in the continuation of box C. X ° Special categories of cited documents : T later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docucitation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled *P* document published prior to the international filing date but "&" document member of the same patent family later than the priority date claimed Date of mailing of the international search report 26. 05. 99 Date of the actual completion of the international search 5 May 1999 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Muller-Thomalla, K Fax: (+31-70) 340-3016

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International Application No
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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, of the relevant passages	nelevant to claim No.
Х	WO 92 07081 A (UNITED STATES DEPT. OF COMMERCE, USA) 30 April 1992 see page 3, line 7 - page 4, line 29 see page 9, line 8-9 see tables 3,6,7 see claims 1-20	1-98
X	CHANG K ET AL: "Characterization of the antigen (CAK1) recognized by monoclonal antibody K1 present on ovarian cancers and normal mesothelium." CANCER RESEARCH, (1992 JAN 1) 52 (1) 181-6. JOURNAL CODE: CNF. ISSN: 0008-5472., XP002038950 United States see abstract see "materials and methods" starting at page 181 and "discussion" starting at page 184	1-98
X	WO 97 34634 A (SLOAN KETTERING INST. CANCER RES.) 25 September 1997 see page 11 - page 19; claims 1-16	1-98
Α	JANIS KUBY: "Immunology" 1994 , W.H. FREEMAN AND COMPANY NEW YORK , UNITED STATES OF AMERICA XP002102007 see page 136 - page 139	1,18,20, 76,98
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Х,Р	CHOWDHURY P S ET AL: "Isolation of a high-affinity stable single-chain Fv specific for mesothelin from DNA-immunized mice by phage display and construction of a recombinant immunotoxin with anti-tumor activity." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1998 JAN 20) 95 (2) 669-74. JOURNAL CODE: PV3. ISSN: 0027-8424., XP002102004 United States cited in the application see the whole document	1-98
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International Application No
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No.

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Information on patent family members

International Application No
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